

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method for operating a test bench to carry out simulation drives of a vehicle placed on the test bench, comprising:

contacting at least one wheel of the vehicle to at least one roller of the test bench;

measuring a reaction torque of the roller in relation to the vehicle wheel on the roller of the test bench; **and**

determining a setpoint speed of the roller from the measured reaction torque;

comparing the setpoint speed to an actual speed of the roller; and

controlling the roller to a result of the comparison,

wherein the comparison between the setpoint speed and the actual speed is independent of speeds of other rollers on the test bench.

2. (original): The method according to claim 1, wherein the test bench is a roller test bench.

3. (currently amended): The method as claimed in Claim 1, further comprising calculating a reaction force from the measured reaction torque and a radius of the roller.

4. (original): The method as claimed in Claim 3, further comprising:
calculating at least one additional reaction force for at least one additional roller; and
adding the additional reaction force to the calculated reaction force.

5. (original): The method as claimed in Claim 3, wherein at least one additional force is added to the calculated reaction force.

6. (original): The method as claimed in Claim 5, wherein the additional force comprises a gradient resistance.

7. (original): The method as claimed in Claim 5, wherein the additional force comprises a drag force.

8. (original): The method as claimed in Claim 3, further comprising calculating a further value from the reaction force and a mass value m for the vehicle.

9. (currently amended): ~~The method as claimed in Claim 3, further comprising A method for operating a test bench to carry out simulation drives of a vehicle placed on the test bench, comprising:~~

contacting at least one wheel of the vehicle to at least one roller of the test bench;

measuring a reaction torque of the roller in relation to the vehicle wheel on the roller of the test bench;

determining a setpoint speed of the roller from the measured reaction torque;

calculating a reaction force from the reaction torque and a radius of the roller; and

calculating a setpoint acceleration a of the roller from the reaction force F and a mass value m for the vehicle using the formula $a = F / m$.

10. (currently amended): A test bench, comprising:

at least one roller configured to indirectly or directly contact at least one wheel of a vehicle;

means for measuring a reaction torque of the roller in relation to the vehicle wheel; and

means for determining a setpoint speed of the roller from the measured reaction torque;

means for comparing the setpoint speed to an actual speed of the roller; and

means for controlling the roller to a result of the comparison,

wherein the comparison between the setpoint speed and the actual speed is independent of speeds of other rollers on the test bench.

11. (original): The test bench as claimed in claim 10, wherein the test bench is a roller test bench.

12. (new): A test bench, comprising:

at least one roller configured to indirectly or directly contact at least one wheel of a vehicle;

a measuring circuit that measures a reaction torque of the roller in relation to the vehicle wheel;

a setpoint circuit that determines a setpoint speed of the roller from the measured reaction torque;

a comparator that compares the setpoint speed to an actual speed of the roller; and

a controller that controls the roller to an output from the comparator,

wherein the comparison between the setpoint speed and the actual speed is independent of speeds of other rollers on the test bench.

13. (new): The test bench as claimed in claim 12, wherein the test bench is a roller test bench.